

Title (en)

DEMOUNTABLE COUPLING SYSTEM AND APPARATUS

Title (de)

DEMONTIERBARES KUPPLUNGSSYSTEM UND VORRICHTUNG

Title (fr)

SYSTÈME ET APPAREIL DE COUPLAGE DÉMONTABLE

Publication

EP 3188704 A4 20180627 (EN)

Application

EP 15829850 A 20150930

Priority

- US 201462032989 P 20140804
- US 2015053290 W 20150930

Abstract (en)

[origin: WO2016023046A1] Example embodiments are related to a wheel coupling system for a vehicle. The wheel coupling system according to example embodiments may include a torque transmission element having a rotatable member to generate a torque force and a torque receiver for releasably engaging the torque transmission element. The wheel coupling system may further include a wheel coupled to the torque receiver such that removal of the wheel disengages the torque receiver from the torque transmission element to allow the torque transmission element to remain intact.

IPC 8 full level

A61G 5/02 (2006.01); **A61G 5/10** (2006.01)

CPC (source: EP US)

A61G 5/023 (2013.01 - EP US); **A61G 5/1083** (2016.10 - EP US); **F16H 55/30** (2013.01 - US); **B60B 27/0021** (2013.01 - US);
F16D 1/10 (2013.01 - US)

Citation (search report)

- [XA] US 2013082512 A1 20130404 - DAIGLE SCOTT C [US]
- [A] US 5727850 A 19980317 - MASCLET CLAUDE [FR]
- See references of WO 2016023046A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2016023046 A1 20160211; EP 3188704 A1 20170712; EP 3188704 A4 20180627; JP 2017528193 A 20170928;
US 2016069445 A1 20160310; US 9644730 B2 20170509

DOCDB simple family (application)

US 2015053290 W 20150930; EP 15829850 A 20150930; JP 2017506817 A 20150930; US 201514870979 A 20150930